AMENDED SPECIFICATION

Reprinted as amended under Section 8 of the Patents and Designs Acts, 1907 to 1932.

PATENT SPECIFICATION

Application Date: July 6, 1937. No. 22695/36. **490,134**

Complete Specification Accepted: Aug. 10, 1938.

COMPLETE SPECIFICATION

An improved Splinter-proof Curtain or Net

I, JOHN YUILLE, of 197, Bath Street, Glasgow, C.2, of British Nationality, do hereby declare the nature of this invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The subject of this invention is a protective device for protecting fixed or moving structures or areas from penetration by bullets, splinters, and flying fragments resulting from explosion, and for protection against concussion

I am aware that it has already been proposed to interpose between spaced plates of a soldier's armour a resilient filler consisting of strands of metal.

The device according to the invention is constituted as a curtain consisting of a body of metal wool in entangled relation and contained by a knitted or woven metal mesh envelope of equivalent flexibility.

For example, such a curtain may be suspended from the roof of a mine tunnel or in front of an aperture, being of a vertical dimension exceeding the height of the tunnel or the vertical dimension of the aperture, and being free at its lower end so that, in the event of an explosion, the curtain will be free to yield but will not block the passage through the tunnel or aperture.

Further, such a curtain is fireproof and serves to disintegrate and to cool the incendiary liquid contained in incendiary bombs.

A protective curtain according to the invention is illustrated in vertical transverse section in the figure of the accompanying drawing.

The protective curtain shown comprises a body of metal wool 1 in entangled relation and contained by a knitted or woven metal mesh envelope 2 of equivalent flexability, the opposed main walls of the envelope being interconnected at spaced points by flexible reinforcing stays 3.

In the particular use illustrated, the curtain is serving as a protection against explosion in a mine tunnel 4, being suspended within the tunnel from a support 5 bridging the roof of the tunnel. The curtain is of substantially greater height than the tunnel so that a substantial part of the curtain lies along the floor of the tunnel, preferably in the direction away from that in which an explosive blast may be expected. As will be understood, in the event of an explosion, the curtain will billow out in the direction away from the origin of the blast, and will efficiently intercept flying fragments, while permitting passage of gases.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

A protective device for any of the purposes specified, in the form of a curtain consisting of a body of metal wool, in entangled relation, and contained by a knitted or woven metal mesh envelope of equivalent flexibility.

Dated this 2nd day of July, 1937.
CRUIKSHANK & FAIRWEATHER,
86, St. Vincent Street, Glasgow, and
65/66, Chancery Lane, London, W.C.2,
Agents for the Applicant.

Reference has been directed, in pursuance of Section 8, sub-section (2), of the Patents and Designs Acts, 1907 to 1938, to Specification No. 478,671.

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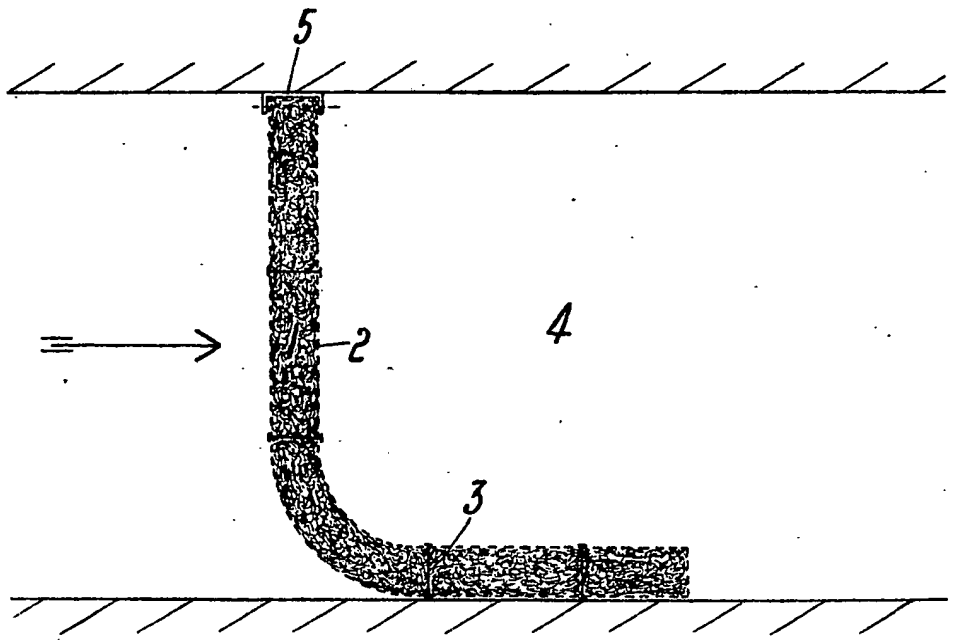
[*Price* 1/-]



[This Drawing is a reproduction of the Original on a reduced scale.]

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